



LKT Laboratories, Inc.

E-JIB-04

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: getinfo@lktlabs.com

Web: lktlabs.com

Product Information

Product ID J3204

CAS No. 199596-05-9

Chemical Name (E)-N-(5-Chloro-pyridin-2-yl)-N'-(phenyl-pyridin-2-yl-methylene)-hydrazine

Synonym NSC 693627, JHDM inhibitor VII

Formula C₁₇H₁₃ClN₄

Formula Wt. 308.77

Melting Point

Purity ≥98%

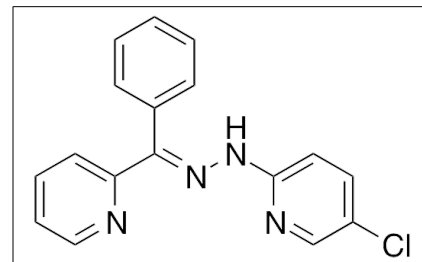
Solubility

DMSO	25 mg/mL
Water	Insoluble
Ethanol	Insoluble

Store Temp -20° C

Ship Temp Ambient

Description This compound is the E stereoisomer of JIB-04, an inhibitor of Jumonji family histone demethylases; it does not inhibit activity of α-ketoglutarate. JIB-04 exhibits anticancer chemotherapeutic activity, inhibiting protein translation initiation. In cancer models, JIB-04 inhibits cell viability, decreases tumor burden, and increases survival rates.



Bulk quantities available upon request

Product ID	Size
J3204	5 mg
J3204	25 mg

References Van Rechem C, Black JC, Boukhali M, et al. Lysine demethylase KDM4A associates with translation machinery and regulates protein synthesis. *Cancer Discov.* 2015 Mar;5(3):255-63. PMID: 25564516.

Wang L, Chang J, Varghese D, et al. A small molecule modulates Jumonji histone demethylase activity and selectively inhibits cancer growth. *Nat Commun.* 2013;4:2035. Erratum in: *Nat Commun.* 2013;4:2639. PMID: 23792809.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.